

Work Order ID 162013

Tuesday, May 23, 2017 11:07:32 AM

162013

Page 1

Item ID: D4811-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Pin, Quick Release
Start Date: 5/30/2017 Start Qty: 10.00 ***10*** Cust Item ID:
Required Date: 6/2/2017 Req'd Qty: 10.00 ***10*** Customer:
Reference:

Approvals: Process Plan:  Date: MAY 24 2017 Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4811	A								
100	PURCHASING	0.00							
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: 36461								
	Possible Supplier: McMaster Carr								
	Supplier p/n: 98470A133								
	Material release note is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.20							
Packaging	Ensure Material Release Note is attached								

10 MAY 26 2017 DAS 13 8-89
10K 8P17-5-30

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coor. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause			FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____				
Misidentified ☐	Past Due ☐					

Work Order ID 162013

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162013

Page 2

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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC6- All purchased or subcontracted products Memo	0.00 0.00				10			DAS 38 9-89 MAY 30 2017
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: <u>GP</u> Memo	0.00 0.10				10			DAS 6 9-89 MAY 31 2017
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 1.00						17/6/2	DAS 21 9-89 MAY 31 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By 		
							Lead hand / Supervisor Approval Verification 		
QC / QA Coordinator Approval 									

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	☐ OTHER : _____					
Misidentified ☐	☐ Past Due						

Picklist Print

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Page 1

Work Order ID: 162013

162013

Parent Item: D4811-1

D4811-1

Parent Item Name: Pin, Quick Release

Start Date: 5/30/2017

Required Date: 6/2/2017

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP REV:A 13.05.21 AS PER DWG REV.A VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

98470A133

Purchased

No

110

Each

0.0000

1

10

98470A133

**

Pin, Quick Release

10X Sp175-30.

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

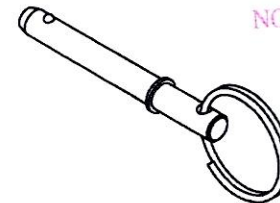
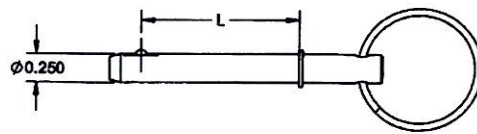
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

SPECIFICATION CONTROL DRAWING

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 162013MP
MAY 24 2017



DART PART NUMBER	DESCRIPTION	POSSIBLE VENDOR	VENDOR PART NUMBER	L	MATERIAL
D4811-1	QUICK RELEASE PIN	MCMaster CARR	98470A133	1.347	18-8 SS

NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER QSI 044 METHOD 6.7
- 7) WEIGHT: N/A

RELEASED
2013-05-16

A	NEW ISSUE	DB	13.04.01
REV.	DESCRIPTION	BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB	DRAWING NO.	REV. A
CHECKED	A.P.	D4811	SHEET 1 OF 1
MFG. APPR.	MP	TITLE	SCALE
APPROVED	MP	QUICK RELEASE PIN	NTS
DE APPR.		COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	
DATE	13.04.01		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36461**

Purchase Order Date 5/26/2017

PO Print Date 5/26/2017

Page Number 2 of 6

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: Purolator ground ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

3	3076T13	D Ring	5/30/2017	FN	150.00	\$1.05	\$157.50
			Yes		Each		
			5/30/2017				

AS PER DWG D5397 REV. A
B162123

Line Total: **\$157.50**

4	98470A133	Pin, Quick Release	5/30/2017		10.00	\$3.01	\$30.10
			Yes		Each		
			5/30/2017				

AS PER DWG D4811 REV. A
B162013

DAS
38
7-88

Line Total: **\$30.10**

5	71400-65	7604K83 SR44 COIN BATTERY	5/30/2017		20.00	\$2.34	\$46.80
			Yes		Each		
			5/30/2017				

Line Total: **\$46.80**

Deliver To: PAT.D

Note:

5/26/2017



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO36461

Order Placed By
Chantal Lavoie

McMaster-Carr Number
3852658-03

Page 1 of 1

05/26/2017

Line	Product	Ordered	Shipped
4	98470A133 Shoulder-Style Ring-Grip Quick-Release Pin 18-8 Stainless Steel, 1/4" Diameter, 1-5/16" Usable Length	10 Each	10
5	7604K83 Button/Coin Cell Battery Silver Oxide, Size SR44, 160 mA-Hrs. Capacity	20 Each	20
6	7701K34 Button/Coin Cell Battery Lithium, Size CR2032	15 Each	15
7	71455K58 Size AA Alkaline Disposable Batteries, Packs of 144	1 Pack	1
8	7309T1 Mildew-Resistant Sponge 3-1/2" x 6" x 1", Yellow, Packs of 6	12 Packs	5
10	9833K21 Breather Vent 1/8 NPT Male, 2 Maximum scfm, 7/16" Height	2 Each	2
11	6541K38 Vibration-Resistant Zinc-Plated Steel Double Pinch Clamps 31/64" to 19/32" ID, for Firm Hose and Tube, Packs of 25	1 Pack	1
12	6519T146 Ultra-Chemical-Resistant Versilon PVC Tubing 3/8" ID, 9/16" OD, 10 Feet Long	180 Feet	50
13	50715K676 37 Degree Flared Fitting for Stainless Steel Tubing Straight Adapter for 1/4" Tube OD, 7/16"-20 UNF Male	20 Each	20

DAS
38
9-89

SP175-30

Shipped separately from our New Jersey warehouse on 05/26

1	9372T21 Welded Nickel-Plated Steel D-Ring for 1" Webbing Width	10 Packs	10
8	7309T1 Mildew-Resistant Sponge 3-1/2" x 6" x 1", Yellow	12 Packs	7
12	6519T146 Ultra-Chemical-Resistant Versilon PVC Tubing 3/8" ID, 9/16" OD, 10 Feet Long	180 Feet	130

Notes about your shipment

The U.S. Department of Transportation regulates the shipping of lines 5, 6 and 7. By purchasing from McMaster-Carr Supply Company you agree not to transport or permit others to transport purchased items except in accordance with U.S. law and any other applicable laws.

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cle.sales@mcmaster.com
Employer Identification Number (EIN): 36-1458720

Invoice: 31791482
Purchase Order: PO36461
Release:
McMaster-Carr Number: 3852658-03

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 26-May-2017
Shipper's Export Declaration (SED):
NO EEI 30.36

Intermediate Consignee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Tax Number:

Forwarding Agent:

Billing
Attention:
Shipping
Attention:
Contact:

Line	Description	Qty & Unit	Unit Price	Extension
4	98470A133 Shoulder-Style Ring-Grip Quick-Release Pin 18-8 Stainless Steel, 1/4" Diameter, 1-5/16" Usable Length Country of Origin: United States Schedule B #: 731829 ECCN #: EAR99 NLR	10 EA	\$3.01	\$30.10 DAS 38 9-89
5	7604K83 Button/Coin Cell Battery Silver Oxide, Size SR44, 160 mA-Hrs. Capacity Country of Origin: Germany Schedule B #: 850640 ECCN #: EAR99 NLR	20 EA	\$2.34	\$46.80
6	7701K34 Button/Coin Cell Battery Lithium, Size CR2032 Country of Origin: Indonesia Schedule B #: 850650 ECCN #: EAR99 NLR	15 EA	\$1.92	\$28.80
7	71455K58 Size AA Alkaline Disposable Batteries, Packs of 144 Country of Origin: Singapore Schedule B #: 850610 ECCN #: EAR99 NLR	1 PK	\$81.82	\$81.82
8	7309T1 Mildew-Resistant Sponge 3-1/2" x 6" x 1", Yellow, Packs of 6 Country of Origin: United States Schedule B #: 392113 ECCN #: EAR99 NLR	5 PK	\$4.71	\$23.55
Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.				

Shipping Weight (in kgs): 8 Number of Packages: 1

Package Dimensions:
44 X 44 X 32 CM = .063 CUBIC M

Invoice Amounts:
Merchandise Amount: \$648.59
Canadian GST/HST: \$86.62
Shipping Charges: \$17.74
Total (In USD): \$752.95

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Authorized Signature:
Sarah Weinberg
Name: Sarah Weinberg
Date: 26-May-2017
Title: Operations Mgr.

Remit payment to:
(by mail)
McMaster-Carr Supply Company
PO Box 7690
Chicago, IL 60680-7690 USA
(by wire transfer)
Bank of America
222 Broadway
New York, NY 10038
Account 86666-02021
SWIFT BOFAUS3N

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA

Phone: 330-995-5500

Fax: 330-995-9600

E-Mail: cle.sales@mcmaster.com

Employer Identification Number (EIN): 36-1458720

Invoice: 31791482

Purchase Order: PO36461

Release:

McMaster-Carr Number: 3852658-03

ORIGINAL COMMERCIAL

INVOICE

CERTIFICATE OF ORIGIN

Line	Description	Qty & Unit	Unit Price	Extension
10	9833K21 Breather Vent 1/8 NPT Male, 2 Maximum scfm, 7/16" Height Country of Origin: United States Schedule B #: 848110 ECCN #: EAR99 NLR	2 EA	\$1.27	\$2.54
11	6541K38 Vibration-Resistant Zinc-Plated Steel Double Pinch Clamps 31/64" to 19/32" ID, for Firm Hose and Tube, Packs of 25 Country of Origin: Canada Schedule B #: 732690 ECCN #: EAR99 NLR	1 PK	\$9.58	\$9.58
12	6519T146 Ultra-Chemical-Resistant Versilon PVC Tubing 3/8" ID, 9/16" OD, 10 Feet Long Country of Origin: United States Schedule B #: 391732 ECCN #: EAR99 NLR	50 FT	\$5.20	\$260.00
13	50715K676 37 Degree Flared Fitting for Stainless Steel Tubing Straight Adapter for 1/4" Tube OD, 7/16"-20 UNF Male Country of Origin: United States Schedule B #: 730729 ECCN #: 2B999 NLR	20 EA	\$8.27	\$165.40
NOTE	The U.S. Department of Transportation regulates the shipping of lines 5, 6 and 7. By purchasing from McMaster-Carr Supply Company, you agree not to transport or permit others to transport purchased items except in accordance with U.S. law and any other applicable laws.			
NOTE	These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.			
NOTE	Tracking number(s) for this shipment: CPK005501833			

Number of Packages: 1

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